

Message

From: Herrera, Angeles [Herrera.Angeles@epa.gov]
Sent: 4/19/2015 5:46:25 AM
To: Cooper, Viola [Cooper.Viola@epa.gov]
Subject: Fwd: Follow up on Hickam Pesticide concerns
Attachments: Screen shot 2015-04-17 at 5.21.37 PM.png

Please excuse my typos
Sent from my iPhone

Begin forwarded message:

From: LaDean

Personal Matters / Ex. 6

Date: April 17, 2015 at 8:32:15 PM PDT

To: "Grange, Gabrielle Fenix" <fenix.grange@doh.hawaii.gov>

Cc: "Sadoyama, Eric J" <eric.sadoyama@doh.hawaii.gov>, "Brooks, Barbara A" <barbara.brooks@doh.hawaii.gov>, "Herrera, Angeles" <herrera.angeles@epa.gov>, "Wilson, Patrick" <wilson.patrick@epa.gov>, "Matsuda, Thomas K" <thomas.k.matsuda@hawaii.gov>, "Brewer, Roger C" <roger.brewer@doh.hawaii.gov>

Subject: RE: Follow up on Hickam Pesticide concerns

I am happy that you included the information on pesticide exposure in dog grooming as I do NOT use any chemicals (dips, shampoos ect) for fleas in my salon...AND....MY dog grooming has NOTHING to do with my husband and children they do not groom. So, that information is completely IRRELEVANT to this situation, but I am glad that you guys have spent the time to research it because I am sure it will come in handy for me to use for even more proof and justification to my clients to STOP using topical flea treatments.

The sampling you are referring to with results of 9 and 15.7 ONLY the 15.7 was from our home, the 9 was from a home in Earhart Village 1-2 NOT from my home. Also, attached is the excel spreadsheet from ToxFree, please read the notes as well. In the case of the 15.7, that total must be DOUBLED for risk assessment values, so THAT total would actually be 31.4 NOT 15.7 for cancer and non cancer effects. I have test results from homes in Hale Na Koa, Earhart Village 1-1 as well as 1-2, Onizuka AND Historical ALL with homes that tested positive for pesticides inside the homes. Like I said in my other emails...this is NOT just about MY family...this is about ALL the families on Hickam and the potential exposure they may suffer. IF this was not a problem...then WHY is it that we are NOT the only family to be PCSed back to the mainland due to pesticide exposure and our medical needs no longer being able to be met here on Island because there is no medical toxicologist here and the need to be seen by more knowledgeable Dr's and scientists was needed.

I know there will be more testing as well, there are other families here on Hickam as I said before that have unexplained health conditions that even their Dr's do not know why, as far as speaking with your agency about it, I will let them know to speak with you...but I can not make them and some think that it would not matter because well....your agency has not really helped ANYONE here....have they?

Not to be insolent but, in my opinion, if the HDOH had fully considered the health and safety of the residents on Hickam then you would not have agreed to allow HC to put together a HEER

based on an expected 6 year residency in their housing, because we are NOT all here for just up to 6 years. I know families who have been here over that, you would be overseeing the long term monitoring that you approved of to ensure they are not just telling residents to "go get grass seed from self help and put it down" in the bald spots in their yards, you would with the new evidence (no matter how low the levels found are) reevaluate the vapor intrusion risk in their houses. You would make sure that they provided FULL DISCLOSURE to their residents BEFORE signing a lease so that families can make an INFORMED/EDUCATED decision on whether or not THEY want to take the risks involved in living in those surroundings.

There are more things then looking up the risk of exposure to dog groomers that would better meet the needs of the families here on Hickam....especially when the ones being effected are NOT dog groomers. I emailed HC today to see if they had the results yet for the air sampling of our home....they said 2 weeks it has been more then that, so hopefully they will have something by monday at the latest.....I am VERY curious as to the results of their testing since ours with the 12.0 (even if it is low) was done the day AFTER they did theirs. And again.....chronic exposure to even low levels can cause health effects.

If you have any questions or further statements please feel free to email me :)

Thank you,

LaDean

Personal Matters / Ex. 6

Personal Matters / Ex. 6

Subject: Follow up on Hickam Pesticide concerns

Date: Fri, 17 Apr 2015 15:28:19 -1000

From: fenix.grange@doh.hawaii.gov

To:

Personal Matters / Ex. 6

CC: eric.sadoyama@doh.hawaii.gov; barbara.brooks@doh.hawaii.gov;

Herrera.Angeles@epa.gov; Wilson.Patrick@epa.gov; Thomas.K.Matsuda@hawaii.gov;

roger.brewer@doh.hawaii.gov

Aloha LaDean,

Thank you for the conversation yesterday afternoon. As I said, I wanted to reach back out to you to tell you that we have been carefully reviewing the new data for your home on Hickam, including the two rounds of air sampling your conducted through ToxFree, and the soil data collected by TetraTech around the foundations of your home. I am still awaiting the TetraTech air sampling results associated with the pictures you took of the air samplers in your home.

I understand that you feel your concerns are not being addressed, and that HDOH, EPA, the Air Force and Hickam Communities are not doing enough to protect you. Because I know you are seeking answers

and other experts to help you understand what your exposures might be, I thought it might be useful to summarize the information and data we have to date about historic pesticides at your home.

1. Your neighborhood was not affected by the new housing construction soil mishandling that resulted in the Department of Health taking action to require investigation and remediation elsewhere on Hickam Air Force Base (now Joint Base Pearl Harbor Hickam).
2. Your neighborhood was built in the 1970's, and homes at that time, on and off base, were routinely treated with organochlorine pesticides for termite control. According to Hickam records, your home and neighborhood has not had grading or reconstruction activities that would have exposed or moved termiticides placed under the foundation.
3. Air sampling you conducted using the ToxFree test kits, showed results of 9 and 15.7 ng/m³ in November, 2014, and 11 and 12 ng/m³ in February, 2015. These concentrations are slightly above the EPA screening value of 10 ng/m³, which equals a cancer risk of 1 in 1 million. Your results are below the ATSDR Minimal Risk Value of 20 ng/m³ for non-cancer effects.

To put these numbers in perspective, I am providing a quote from the ATSDR Public Health Statement for Chlordane (<http://www.atsdr.cdc.gov/PHS/PHS.asp?id=353&tid=62>) Here is an excerpt from the EPA Air Toxics Hazard Summary for Chlordane refers to this study and has other helpful information. <http://www.epa.gov/ttnatw01/hlthef/chlordan.html#ref1>

Over 50 million persons have lived in chlordane treated homes. Indoor air in the living spaces of treated homes have been found to contain average levels of between 0.00003 and 0.002 milligram (mg) of chlordane in a cubic meter of air (mg/m³). However, levels as high as 0.06 mg/m³ have been measured in the living areas of these homes. Even higher levels are found in basements and crawl spaces.

To compare your results to ATSDR values listed, we need to convert the quoted concentrations from mg/m³ to ng/m³. There are 1,000,000 nanograms in a milligram. So, for example, 0.00003 mg/m³ = 30 ng/m³

So the average levels of chlordane in air in the ATSDR citation above found were between 30 ng/m³ and 200 ng/m³. Levels as high as 60,000 ng/m³ have been measured in the living areas of these homes. The highest level found by the ToxFree sampling at your home was 15.7 ng/m³.

I also visited the ToxFree website, and noticed that they have a summary chart ranking homes by heptachlor and chlordane isomer levels in the homes sampled using their test kits. The figure is attached. Note that the highest concentration measured in your home was 15.7 ng/m³, which appears to be the lowest measured concentration in a residential home of all those reported on the graph.

While I am eager to get the results of the formal, quality controlled air quality testing to ensure we haven't missed anything, the comparison of your results to the EPA and other study values strongly suggests to me that the concentrations you found in your home are not indicative of high chlordane exposure.

4. At DOH request, and as shown in the photos you sent, HC conducted air sampling in your home. These results are pending and we will evaluate them when we receive them to assess whether these results indicate any additional risks and whether they confirm the findings of the test kits.
5. Because the primary exposure pathway of concern for aged organochlorines (placed more than 25 years ago), is inadvertent soil ingestion of exposed surface soils, and because soils immediately adjacent to treated foundations frequently have elevated concentrations of these chemicals, HC agreed to sample these soils per your request. Attached please find the data, along with a figure showing the sampling area adjacent to your home foundation. These data show that the measured soils are well below DOH's unrestricted use Environmental Action Levels, and are not indicative of a hazard.

I hope this information helps, or will be useful to your physicians or medical toxicologists as they work to help identify the causes of your illness.

Along those lines, I am sending a couple of additional links. We are working to set up more rigorous pesticide surveillance at the HEER Office, and Barb has been checking CDC for useful resources. The CDC Pesticide Illness and Injury Surveillance Page at <http://www.cdc.gov/niosh/topics/pesticides/> specifically discusses occupational exposure to pesticides through pet grooming:

The Environmental Protection Agency estimates that 10,000-20,000 physician-diagnosed pesticide poisonings occur each year among the approximately 2 million U.S. agricultural workers. Agricultural workers, groundskeepers, pet groomers, fumigators, and a variety of other occupations are at risk for exposure to pesticides including fungicides, herbicides, insecticides, rodenticides, and sanitizers.

Here are two journal articles on the CDC website on this subject. While you mentioned in our earlier conversations that you do not use or apply pesticide flea treatments as part of your grooming business, the two studies below, together may suggest an inhalation pathway concern from grooming pets who are treated by their owners or others with insecticides.

Hazardous exposures among dog groomers.

Authors

NIOSH

Source

Appl Occup Environ Hyg 1997 Feb; 12(2):91-93

Link

NIOSHTIC No.

00235424

Abstract

A study was conducted examining respirable dust exposures in the workplaces of dog groomers. Respirable dust exposures were measured using cassette nylon cyclone samplers worn by dog groomers and other employees in seven dog grooming shops. In addition, work activities were recorded. The mean respirable dust exposure was 0.14mg/m³, ranging from less than 0.01 to 0.31mg/m³. Shops using a special hair control system, the Clipper Vac, had the lowest dust levels; the highest levels were seen in shops with the greatest number of groomers and the least square footage. Other risk factors associated with dog grooming were poor body posture, excessive noise exposure, pesticide exposure, electrical hazards, and poor hygiene. Recommendations to improve workplace conditions in dog grooming facilities included bathing dogs prior to grooming to reduce exposure to respirable dust and infectious organisms, providing an adequate amount of floor space, use of hair control systems, use of low toxicity pesticides, use of proper personal protective equipment, use of rigorous personal hygiene procedures, use of prophylactic treatment for worms, requiring proof of immunization for all dogs and cats being groomed, requiring current tetanus immunizations for all personnel, having written procedures for cleaning of bite wounds, and providing all electrical outlets with ground fault circuit interrupters. Additional recommendations for occupational health professionals were presented.

Illnesses associated with occupational use of flea-control products - California, Texas, and Washington State, 1989-1997.

Authors

Mehler-L; Shannon-J; Baum-L

Source

MMWR 1999 Jun; 48(21):443-447

Link

<http://www.cdc.gov/mmwr/preview/mmwrhtml/mm4821a3.htm>

NIOSHTIC No.

20027442

Abstract

Dips, shampoos, and other insecticide-containing flea-control products can produce systemic illnesses or localized symptoms in the persons applying them. Although these products may pose a risk to consumers, they are particularly hazardous to pet groomers and handlers who use them regularly. Illnesses associated with flea-control products were reported to the California Department of Pesticide Regulation, the Texas Department of Health, and the Washington State Department of Health, each of which maintains a surveillance system for identifying, investigating, and preventing pesticide-related illnesses and injuries. This report describes cases of occupational illnesses associated with flea-control products, summarizes surveillance data, and provides recommendations for handling these products safely.

Site Discovery, Assessment and Remediation Section

Hazard Evaluation and Emergency Response Office

Hawaii Department of Health

808-586-5815

fenix.grange@doh.hawaii.gov

From: LaDean [REDACTED] **Personal Matters / Ex. 6**

Sent: Tuesday, April 14, 2015 6:34 AM

To: Herrera, Angeles

Cc: Grange, Gabrielle Fenix

Subject: RE: Hickam complaints

Which data would that be? Just wondering...is she looking into the vapor intrusion issues that are happening on Hickam? I am sure that you have gotten the latest test results for our indoor air of the home here in Hickam Communities. I can provide the results of the other homes to you as well if you need. We filed a formal complaint with the 15 Wing Inspector General as well as the Navy Inspector General, yesterday I got these emails from them...

[REDACTED]
Personal Matters / Ex. 6

Bottom line is Navy has the lead on your husband's complaint. If the Navy

acknowledges that there is a legitimate danger that needs to be briefed to

Airmen, the Air Force will do so. But, in the absence of such we're all part

of the DoD...and we must follow the Navy's lead.

As you've been informed, your husband's complaint was transferred. The Navy

IG is the only IG with an open case as they are lead on Joint Base Pearl

Harbor Hickam. If your husband wants to discuss how the Air Force closed his

case, please have him call me at his convenience and we can discuss.

Deb

Debra Straight

15 WG/IGQ

449-1556

I had included BOTH IG's in the email, this is the response I got from the Navy IG

Personal Matters / Ex. 6

Because our office is not the appropriate office to handle cases involving pesticides in housing, I sent this additional information to our Housing Privatization Housing Management Office (HMO) on JBPHH for inclusion in the case, which is now with Hickam Community Housing. Our Safety Office was not able to take the case, as they only deal with occupational safety involving federal employees.

VR, Aaron

AARON N. LEHL

Senior Investigator

Office of the Inspector General, NRH

(808) 471-1951

When I asked if this meant that Hickam Communities was not handling the complaint through their HMO office this is the response I got.

Personal Matters / Ex. 6

Yes, they have the case.

VR, Aaron

AARON N. LEHL

Senior Investigator

Office of the Inspector General, NRH

(808) 471-1951

SO, The Inspector Generals have both stepped down and let Hickam Communities take charge of our complaint against them :(Between this and the HDOH saying that some of the housing on Hickam is NOT in their jurisdiction, we hope that the EPA will be able to help on behalf of all the families here on Hickam.

Thank you for your time,

LaDean

Personal Matters / Ex. 6

Personal Matters / Ex. 6

From: Herrera.Angeles@epa.gov
To: [Redacted] **Personal Matters / Ex. 6**
CC: fenix.grange@doh.hawaii.gov
Subject: Re: Hickam complaints
Date: Tue, 14 Apr 2015 14:26:30 +0000

Good morning [Redacted] **Personal Matters / Ex. 6** I have been in contact with Fenix regarding your concerns. I understand she is looking into the data you provided and will contact you soon. Thanks. Angeles

From: LaDean [Redacted] **Personal Matters / Ex. 6**
Sent: Monday, April 13, 2015 5:02 PM
To: Herrera, Angeles
Subject: Hickam complaints

Hello, I was informed by Mr Patrick Wilson that you are our point of contact for the Hickam Communities complaints on JBPHH in Hawaii. I wanted to write to see if there is anything or if the EPA is doing anything to help with the Hickam residents situation here? I was told you are in direct contact with Fenix Grange with the HDOH on this matter, they have told me that MY housing area is out of their jurisdiction and there is nothing they can do because there was only moderate remodeling of our housing done and no construction, yet we have had indoor air tested for our home and Heptachlor and Chlordane were both found in the air. How can the EPA help with these complaints as we are NOT the only family that has a positive test from indoor air samples on Hickam.

LaDean [Redacted] **Personal Matters / Ex. 6**

[Redacted] **Personal Matters / Ex. 6**

